



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPA60R160C6	Issued	24. June 2021
MA#	MA005556034		
Package	PG-TO220-3-317	Weight*	2103.42 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	9.747	0.46	0.46	4634	4634
leadframe	inorganic material	phosphorus	7723-14-0	0.361	0.02		171	
	non noble metal	iron	7439-89-6	1.202	0.06		572	
	non noble metal	copper	7440-50-8	1,200.685	57.08	57.16	570826	571569
wire	non noble metal	aluminium	7429-90-5	3.697	0.18	0.18	1758	1758
encapsulation	organic material	carbon black	1333-86-4	8.630	0.41		4103	
	plastics	epoxy resin	-	141.524	6.73		67283	
	inorganic material	silicondioxide	60676-86-0	725.137	34.47	41.61	344742	416128
leadfinish	non noble metal	tin	7440-31-5	7.889	0.38	0.38	3750	3750
solder	non noble metal	antimony	7440-36-0	0.455	0.02		216	
	noble metal	silver	7440-22-4	1.136	0.05		540	
	non noble metal	tin	7440-31-5	2.955	0.14	0.21	1405	2161
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption.

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